

Amendments to the Drawings:

Please amend Figs. 5-7 of the drawings as shown on the attached replacement sheets 4 of 9, 5 of 9 and 6 of 9.

Amendments to the Claims:

Please amend the claims as follows:

1. (Currently Amended) A handlebar stem (10) attaching a handlebar of a bicycle, comprising:

a rod (21) attaching said handlebar stem to the bicycle;

a speed indicator (3) receiving a signal from a speed sensor to display speed; and

An indicator housing (1) located at a front protrusion (6) extending in a forward direction to traverse said rod to house said speed indicator, said indicator housing, as seen along said rod, overlapping or being adjacent to said rod 4, said indicator housing having a protrusion (14) to engage with and secure said speed indicator and said speed indicator has a nail (4g) elastically deformed to engage with said protrusion (4).

2. (Original) The handlebar stem of claim 1, wherein a handlebar holder (8) holding said handlebar and said indicator housing (1) are adjacent to each other and a screw (23a) fastening said handlebar held by said handlebar holder is obliquely arranged to traverse said forward direction.

3. (Original) The handlebar stem of claim 1, wherein said speed indicator (3) is bonded to said indicator housing with an adhesive.

4. (Cancelled)

5. (Currently Amended) [The] A handlebar stem (10) attaching a handlebar of a bicycle, comprising:

a rod (21) attaching said handlebar stem to the bicycle;

a speed indicator (3) receiving a signal from a speed sensor to display speed; and
an indicator housing (1) located at a front protrusion (6) extending in a forward direction
to traverse said rod to house said speed indicator, said indicator housing, as seen along said rod,
overlapping or being adjacent to said rod 4, [handlebar stem of claim 1], [wherein] said speed
indicator [includes] including a main body having an interconnect substrate and an indication
unit, and a battery housing (5) removable from said main body, said indicator housing (1) [has a
through-hole (1a) opening downward, said battery housing is arranged through said through-hole
and protrude therefrom downward, and said through-hole has an edge provided with a guiding
tapered portion (17) helping to use a tool in a form of a pin to push upward a push button switch
(4f) provided at a bottom surface of said main body while said speed indicator is housed.

6. (Original) A speed indicator attached to a handlebar stem of a bicycle, comprising a
main body (4) including an interconnect substrate and a liquid crystal display unit, and a battery
housing (5) removable from said main body, wherein any button switch (4f) of said main body to
be externally operated is arranged only at a bottom surface of said main body.

REMARKS

The specification has been amended on pages 6, 8 and 9 to overcome the objections raised by the Examiner.

Figs. 5, 6, and 7 of the drawing have been amended as suggested by the Examiner and replacement sheets 4 of 9, 5 of 9 and 6 of 9 are enclosed.

The substance of claim 4 has been incorporated into claim 1 and claim 4 has been cancelled. Claims 2 and 3 depend from claim 1. Claim 5 has been rewritten in independent form and is considered to be in condition for formal allowance. Claims 1-3, 5 and 6 remain for consideration.

With regard to the Examiner's objection stated in the first paragraph on page 3 of the Office Action, applicant's note that the subject matter of original claim 4 has been incorporated into claim 1, This subject matter is clearly shown in Fig. 8 and is described on page 10, lines 5-12. With reference to Fig. 8, the nails 4g each have a barb engaged with a protrusion 14 of the speed indicator housing 1 to prevent the speed indicator from slipping off. The subject matter of original claim 4, which is now included in claim 1, is clearly disclosed in the drawing and specification. Withdrawal of the objection expressed in the first paragraph on page 3 of the Office Action is solicited.

With regard to the Examiner's objection as to claim 6 stated in the second paragraph on page 3 of the Office Action, applicants direct the Examiner's attention to Figs. 2, 4 and 5 and the description on page 8, line 19-22 and from page 8, line 30 to page 9, line 9 of the specification. The main body 4 includes an interconnect substrate, a liquid crystal display unit and the battery

housing. The main body 4 has a bottom surface with a push button switch 4f pushed in upwards with a stick in the form of a pin and thus switched. In the invention the push button switches are located on the bottom side of the handlebar stem 10 at a deep location as seen externally. As such they are not readily pressed or activated unintentionally. Withdrawal of the objection expressed in the second paragraph on page 3 of the Office Action is requested.

Claims 1 and 2 are considered to be patentable over Masui et al. The structure of Masui et al is quite different from that defined in claims 1 and 2. Masui et al adopts a screw clamp structure and teaches away from the structure of claim 1 wherein a protrusion (14) is engaged with nails (4g) that can be elastically deformed. There is no suggestion with Masui et al of the claimed structure including inter alia a nail (4g) elastically deformed to engage with a protrusion on the indicator housing. Claims 1 and 2 are not anticipated or suggested by Masui et al and are considered to be define a patentable invention. Claims 1 and 2 should be allowed.

Claims 1 and 3 are not anticipated by Shimano. There is no teaching with Shimano of an indicator housing having a protrusion to engage with and secure the speed indicator. The speed indicator having a nail elastically deformed to engage with the protrusion. Shimano does not teach the subject matter of amended claim 1. Claim 1 and claim 3, which is dependent thereon, define patentable subject matter and should be allowed over Shimano.

Claim 6 has been rejected as being anticipated by either Houlihan or Kishimoto. Applicants submit that neither patent relied upon by the Examiner anticipates the subject matter of claim 6. For example, claim 6 recites that any button switch to be externally operated is arranged only at a bottom surface of the main body. With reference to Fig. 5 of the drawing and



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page 8, line 23 through page 9, line 9, it is clear that in the present invention the push button switch (4f) is located on the bottom side of the handlebar stem at a deep location as seen externally. This arrangement presents unintentional activation of the push button switch. The switches on the Houlihan wrist watch are only on the side surface of the main body. The switches of Kishimoto are arranged on the front surface of the main body. For the reasons set forth above, applicants submit that claim 6 is not anticipated by either Hooligan or Kishimoto. Claim 6 should now be allowable.

Favorable reconsideration and allowance of this application are solicited.

Respectfully submitted,

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I hereby certify that this enclosed Amendment is being deposited in an envelope with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to the Mail Stop AMENDMENT Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Clarence Ray

Typed or printed name of person mailing application

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